

EFFICACY REVIEW

DATE: IN 9-15-99 OUT 11-9-99
11-19-99 after Peer ReviewFILE OR REG. NO. 432-811

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED September 15, 1999DATE OF SUBMISSION September 2, 1999

DATE SUBMISSION ACCEPTED _____

TYPE PRODUCT(S): (I,)D, H, F, N, R, S _____

DATA ACCESSION NO(S). 449109-01;D259429;S568270;Case#039508;AC:306PRODUCT MGR. NO. 03-Layne/WerrellPRODUCT NAME(S) InterCept®Lawn & Ornamental Insect Control GranulesCOMPANY NAME Agrevo Environmental HealthSUBMISSION PURPOSE Provide product performance data to support the
general cockroach control claim and supplement
previous data submitted on scorpions.CHEMICAL & FORMULATION Deltamethrin 0.1%
(52.3-61.2 lbs./cu.ft. bulk density granular)

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession (MRID) Number 449109-01, having been obtained from standard laboratory testing meeting the requirements of § 95-11(b)(1)-(5) and (7) on p. 268 and the standard of § 95-11(c)(2)(ii)(A)(a) on p. 270 of the Product Performance Guidelines as modified for a granular substance rather than a liquid, are adequate as supplementary data in combination with MRID No. 447835-03, previously reviewed by Kevin Sweeney, to demonstrate the ability of the subject product to control scorpions as represented by the striped tailed scorpion, *Vejovis spinigerus*, when applied at 90.72 g formulation per square meter, equivalent to 18.579 lbs. formulation per 1,000 sq.ft. This is more than 6X the highest label rate for the subject product for this application. Therefore, although it is evident that the subject product can kill scorpions by direct contact, it is doubtful that the required rate is useful for this subject product, since it would reduce the area that could be treated to a maximum of 2,500 sq.ft., or a minimum of 833 sq.ft. We recommend the removal of the scorpion claim from the label pending the registrant's submittal of data demonstrating the ability of the subject (to be continued)

product to kill scorpions at the label rate. Alternatively, the label rate could be raised to 18 lbs. formulation per 1,000 sq.ft. for a spot treatment for scorpions only. On the other hand, data presented in MRID No. 449109-02, having been obtained from a simulated field experiment meeting the same requirements and standard as modified for a granular, is adequate to demonstrate the ability of the subject product to control American cockroach, *Periplaneta americana*, when applied at either 9.8 mg a.i. per square meter (equivalent to 2.0 lbs. formulation per 1,000 sq.ft.) or 14.6 mg a.i. per square meter (equivalent to 3.0 lbs. formulation per 1,000 sq.ft.). This is precisely the range of rates on the label for this application to lawns and turf. Since the substrates in the field simulation were mulch and turf, these data are acceptable as supplementary data in support of a general cockroach control claim for the subject product when applied at label rates. Thus, the registrant has complied with Kevin's request to supply data for another outdoor cockroach, but has failed to demonstrate the ability of the subject product to control scorpions by direct application when applied at label rates. The submitted data did not address the matter of flea control, so the request for removal pending satisfactory control still stands. Despite the registrant's pointing out that deltamethrin granules outperformed chlorpyrifos and permethrin, even 59% reduction does not constitute control and is not particularly useful for the subject product in areas highly infested with fleas.

RL Vern L. McFarland, IB

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AC:306

PRODUCT MGR. NO. 03-Layne/Werrell

PRODUCT NAME(S) InterCept®Lawn & Ornamental Insect Control Granules

COMPANY NAME Agrevo Environmental Health

SUBMISSION PURPOSE Provide product performance data to support the
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previous data submitted on scorpions.

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